

## ENQUIRY

**HOOGHLY DOCK & PORT ENGINEERS LTD.**  
(A GOVT. OF INDIA UNDERTAKING)  
UNIT : NAZIRGUNGE WORKS  
P.O. - D.S. Lane, Howrah 711 109

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**Enquiry No. 10/E/ 0012/ 06-07/P-120 /R/PPC**

**Dated : 15-06-2010**

To,

You are invited to quote for the following work to be executed at our Works at Nazirgunge, Howrah - 711 109.

For Hooghly Dock & Port Engineers Ltd.

Head. [PPC]

Last date of submission: 22/06/2010

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Job Description:-

Subcontract for Mechanical ventilation & Air conditioning system and Heating on turnkey basis on board one no. Hydraulic Surface Dredger Yard No. P-120 as per scope of work, scope of supply, GA Drawing no. 27-02 and other major terms and conditions as laid down hereunder: -

Scope of Work :-

Design, preparation of drawing, obtaining approval from IWT, supply of all required material, installation, commissioning and testing of Mechanical Ventilation & Air Conditioning System & Heating on turnkey basis for the above vessel under construction at our Nazirgunge Works

Ambient condition are :-

Maximum cooling water temperature: 30<sup>0</sup>C.

Minimum outside air temperature of 2<sup>0</sup>C with a relative humidity 95%.

Maximum outside air temperature 48<sup>0</sup>C with a relative humidity 30%

A relative humidity of 90% is to be taken into account with an air temperature upto 40<sup>0</sup>C

Copy of relevant portion of GA Drawing (no. 27-02) will be provided as reference for preparation of offer, which may be collected from the office of the undersigned. The same is to be returned back to us during submission of offer.

The Wheelhouse is to be Air conditioned by means of two independent AC units with Starter (3 Ph, 415V, 50 Hz) each one of them being adequate to take up the maximum full load of cooling. The design condition for the A.C. system may be taken as

Outside : + 40<sup>0</sup>C and 90% RH  
Inside : + 26<sup>0</sup>C and 50% RH

Accommodation spaces are to be ventilated by means of electrically driven blower. Toilets are to be provided with bulkhead mounted exhaust fans. Galley is to be provided with an exhaust blower of adequate capacity.

The engine rooms and the pump rooms are to be mechanically ventilated by means of electrically driven blower and natural exhaust cowls to ensure circulation. Portable electric room heaters are to be applied for use in accommodation spaces and wheel house.

The following may be noted: -

- Engine room and pump room should cater for 30 air change per hour.
- Two nos. 300 kw capacity Diesel engines as primemover for Pumps and one no. Diesel engine for driving 50 KVA Alternator is installed on the engine room.
- One of the Blowers for engine room & pump room should be of reversible type.
- All electrical Blowers should operate on 415V, 3 Ph, 50Hz AC supply.
- For accommodation, blower should cater for 10 air changes per hour.
- For Galley & Mess 30 Air changes per hour should be considered.
- Galley canopy and Grease filter should be provided with Galley exhaust system.
- Grills, ducting, wiremesh, coaming pieces, torpedo hoods, air-balancing dampers for branch line, ducting/trunking as required to be supplied by the party.
- Material should be inspected by IWT/IRS surveyor and supply should be along with the inspecting certificate.
- Approval of the drawing from IWT is to be obtained by the party.

Any changes recommended by Surveyor at the approval stage should be incorporated in the drawing and the subject materials are to be supplied without any cost implication.

- Drawings are to be made ready and submitted for approval of HDPEL within one week of placement of P.O. On approval of drawing by HDPEL the same should be submitted by the party to IWT for approval.
- Approval of HDPE does not relieve the party from meeting the requirement of Statutory Authority (IWT).
- HDPEL will return the drawing with approval to the party within seven days of receipt.

- All materials are to be supplied as per approved drawing within 6 weeks of placement of P.O.
- Installation, commissioning, trial & survey are to be completed within 11 weeks of time of LOI/Placement of P.O. subject to obtaining site clearance for a minimum of 5 weeks.
- After commissioning of system operation/function trial is to be demonstrated for HDPEL, IRS & IWT Surveyors.
- Working drawings are to be supplied in triplicate along with one set of IWT approved drawing.
- As-fitted drawings are to be supplied in quadruplicate immediately after installation/erection on-board along with one set reproducible sheets.
- Offer should be complete with all technical details, scope of supply. Supporting calculation in justification of selection of AC / Blower / Fan / Trunk sizes etc. as may be required are to be furnished.
- All electrical system related to the above are to be part of the bidders scope including installation excluding cabling. However, for cabling necessary information are to be furnished.

#### HDPEL's Scope of Supply

Clear work site, water and electricity.

#### Subcontractor's scope of supply and work :

Design/Drawing, approved drawing in original from IWT, all material required for the job, welding machines, Gas cutting machines, electrode (approved type), Gas, welding cables, all consumables, tools, tackles and lifting equipment / accessories, required workforce and qualified supervisors to undertake and complete the job successfully.

#### Completion time :

11 (eleven) weeks from LOI/placement of P.O.

#### Inspection :-

Head (QC), Head (SBR) or their authorized representative and IWT / IRS Surveyor.

#### Job Certification :

By Head (SBR) or his authorized representative and Head (QC) or his authorized representative on the basis of acceptance by IWT's surveyor.

Bill certification : By Head (SBR).

**NOTE :-**

1. This tender may be downloaded from our website "[www.hooghlydock.gov.in](http://www.hooghlydock.gov.in)".
2. Offer should strictly conform to specification, indicated above.
3. Quotation to be submitted in SEALED COVER with Enq. No. & Last Date of submission clearly marked on the cover. **Offer to be submitted in 2-part bid, part-I to consist the 'Techno-commercial bid' and part - II the 'Price Bid'.**
4. Any quotation delivered to us after the last date of submission may not be considered.
5. Quotation may be rejected if there is any OVER WRITING in the Offer.
6. Price preference to Govt. undertakings, S.S.I. Units may be considered as per standard Regulations.
7. Management Reserves the right to reject any or all Quotations without assigning any reason thereof.

**MAJOR TERMS AND CONDITIONS**

1. DELIVERY / EXECUTION is to be made/carried out at our Works at the shortest possible time.
2. Security Deposit :- Contractor has to submit a Bank Guarantee [in the enclosed format of HDPEL] from a nationalized bank; for an amount equivalent to 5% of the total P.O value towards Security Deposit within 7 days from the date of receipt of the order. This amount will be released to the contractor on successful completion of the job subject to submission of the Performance guarantee @ 10% of the P.O value.
3. PERFORMANCE GUARANTEE: Contractor will have to provide a performance guarantee to the extent of 10% of the value of the order in the form of a bank guarantee [in the enclosed format of HDPEL] from a nationalized bank; prior to submission of your final bills. We would retain the same as Performance Guarantee. On your written request this Performance Bank Guarantee would be returned to you after expiry of Performance Guarantee period, which is **6 months** from the date of completion of the job.
4. LIQUIDATED DAMAGE: Liquidated damage @1% per week or part thereof, subject to a maximum of 10% of the value of the order would be charged in case of your failure to execute the job within the delivery period, to be mutually agreed upon.
5. RISK PURCHASE CLAUSE: In case of non-delivery/non-execution of the order by you, we would be free to execute the job from other sources, at your risk & cost, which will be recovered from your pending and/or future bills with a penalty of 10% of such cost.
6. In case of any dispute the decision of our Chairman and Managing Director would be final and binding on both the parties.  
In case of Legal Dispute, the same would be subject to the jurisdiction of Calcutta High Court.

**NOTE**: Specific clauses for payment etc. would depend on the nature of job.

7. All statutory deductions e.g., ESI, PF, Income Tax, Work Contract tax etc., will be made as per rules.
8. VAT will be applicable only on supply portion of the job at the prevailing rates.